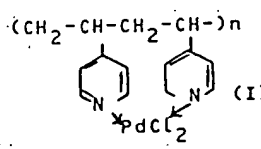


83248 D/45 A12 ASCH= 05.04.79 AS USSR CHEM PHYS *SU-804-646 05.04.79-SU-766727 (15.02.81) C08f-138	A(2-A6B, 4-A2, 4-G8, 10-E22, 12-W11B) 544
<p>Synthesis of unsatd. stereoregular polymer - by polymerisation of acetylenic monomers, over palladium-polyvinyl pyridine complex grafted on polyethylene</p> <p>05.04.79 as 766727 (124VE) Use of Pd-polyvinylpyridine complex of formula (I) grafted on polyethylene as catalyst in the synthesis of stereoregular polymers from acetylenic monomers, increases the yield and facilitates the sepn. of the catalyst from the product mixt. The reaction is carried out at 20-90 deg.C, in a hydrocarbon solvent or in bulk.</p> <p>The complex is obtd. by reacting a Pd(II) salt with a macroligand in an aliphatic alcohol and/or water. The cpd. is insoluble in acetylenic monomers and is easily sepd. for reuse from the reaction mixt. by filtration. (3pp)</p> <p>Example A mixt. contg. 0.055 g. (I) contg. 1.6 wt. Pd and 13 ml. of freshly distilled phenylacetylene was polymerised for 2 hrs. at 70 deg.C, catalyst filtered off and the polymer sepd. by reprecipitation from 10 vols. of methanol. Vacuum drying at 70 deg.C. to const. wt. gave 0.0931 g. of polyphenyl acetylene. Bul. 6/15.2.81.</p>	 <p>(I)</p>